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IN THE CLAIMS

1.-35. (Cancelled).

36. (Currently Amended) A contactless power supply for inductively powering a device comprising:

a tank circuit;

a sensor for sensing operating parameters of the tank circuit;

and a controller coupled to the sensor for configuring the tank circuit in response to the sensor, where the tank circuit includes a variable capacitor and the controller is coupled to the variable capacitor for adjusting the capacitance of the variable capacitor, where the tank circuit includes a variable inductor and the controller is coupled to the variable inductor for adjusting the inductance of the variable inductor, and ~~The contactless power supply of claim 35~~
where the tank circuit includes a primary winding.

37. (Original) The contactless power supply of claim 36 where the primary winding and the variable inductor are separate.

38. (Previously Amended) The contactless power supply of claim 37 where the primary winding and the variable inductor are integral.

39.-56. (Cancelled).